

**Notice of Allowability**

Application No.

09/960,602

Applicant(s)

LAUSIER, PHILIP C.

Examiner

Michael D. Meucci

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 19 October 2006.
2. ☒ The allowed claim(s) is/are 1-4, 7 and 9.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 5/30/06
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application
- ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
- ☒ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other \_\_\_\_\_

  
ANDREW CALDWELL  
PATENT EXAMINER

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Loewenstein (Reg. No. 35,591) on 15 November 2006.

### ***Response to Amendment***

The Replacement Sheet for Fig. 7 filed on 19 October 2006 is sufficient to overcome the objection to the drawings. This objection has been withdrawn.

Please amend page 3, line 14 to page 5, line 6 of the specification containing the following:

This application is related to the following fourteen co-pending United States utility patent applications that were all filed by inventors Vivian Pecus, Christopher Benden, David L. Bullock, Philip Lausier, Mark Kalmbach, and Aaron D. Falk on September 20, 2001 together with this application:

The United States utility patent application entitled ARCHITECTURE FOR DELIV~G VIDEO AND OTHER DATA AT HIGH BANDWIDTHS;

The United States utility patent application entitled NETWORK OPERATION CENTER ARCHITECTURE IN A HIGH BANDWIDTH SATELLITE BASED DATA DELIVERY SYSTEM FOR INTERNET USERS;

The United States utility patent application entitled EDGE NODE ARRANGEMENT IN A SATELLITE BASED CONTENT DELIVERY SYSTEM FOR INTERNET USERS;

The United States utility patent application entitled LARGE EDGE NODE FOR SIMULTANEOUS VIDEO ON DEMAND AND LIVE STREAMING OF SATELLITE DELIVERED CONTENT;

The United States utility patent application entitled INTEGRATED NETWORK MANAGEMENT SYSTEM;

The United States utility patent application entitled MOBILE NETWORK OPERATION CENTER FOR SATELLITE BASED CONTENT DELIVERY SYSTEM;

The United States utility patent application entitled SCALABLE IP ADDRESSING SCHEME FOR MULTIPLE NOCS AND EDGE NODES;

The United States utility patent application entitled MOBILE NODE FOR SATELLITE BASED CONTENT DELIVERY SYSTEM;

The United States utility patent application entitled SCALABLE EDGE NODE;

The United States utility patent application entitled GLOBAL OR MULTIREGION CONTENT DELIVERY SYSTEM;

The United States utility patent application entitled END TO END SIMULATION OF A CONTENT DELIVERY SYSTEM;

The United States utility patent application entitled MICRONODE IN A SATELLITE BASED CONTENT DELIVERY SYSTEM;

The United States utility patent application entitled IMPROVED FILE NAMING SYSTEM WITH TRACKING AND DIAGNOSTIC FEATURES IN A CONTENT DELIVERY SYSTEM; and

The United States utility patent application entitled FORWARD CACHE MANAGEMENT BETWEEN EDGE NODES IN A SATELLITE BASED CONTENT DELIVERY SYSTEM.

Please replace the above section of the specification with the following:

This application is related to the following fourteen co-pending United States utility patent applications that were all filed by inventors Vivian Pecus, Christopher

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David L. Bullock, Philip Lausier, Mark Kalmbach, and Aaron D. Falk on September 21, 2001 together with this application:

The United States utility patent application serial No. 09/960,650, entitled  
ARCHITECTURE FOR DELIVERING VIDEO AND OTHER DATA AT HIGH  
BANDWIDTHS;

The United States utility patent application serial No. 09/960,645, entitled  
NETWORK OPERATION CENTER ARCHITECTURE IN A HIGH BANDWIDTH  
SATELLITE BASED DATA DELIVERY SYSTEM FOR INTERNET USERS;

The United States utility patent application serial No. 09/960,843, entitled EDGE  
NODE ARRANGEMENT IN A SATELLITE BASED CONTENT DELIVERY SYSTEM  
FOR INTERNET USERS;

The United States utility patent application serial No. 09/960,605, entitled LARGE  
EDGE NODE FOR SIMULTANEOUS VIDEO ON DEMAND AND LIVE STREAMING  
OF SATELLITE DELIVERED CONTENT;

The United States utility patent application serial No. 09/960,641, entitled  
INTEGRATED NETWORK MANAGEMENT SYSTEM;

The United States utility patent application serial No. 09/960,263, entitled  
MOBILE NETWORK OPERATION CENTER FOR SATELLITE BASED CONTENT  
DELIVERY SYSTEM;

The United States utility patent application serial No. 09/960,249, entitled  
SCALABLE IP ADDRESSING SCHEME FOR MULTIPLE NOCS AND EDGE NODES;

The United States utility patent application serial No. 09/960,637, entitled  
MOBILE NODE FOR SATELLITE BASED CONTENT DELIVERY SYSTEM;

The United States utility patent application serial No. 09/960,246, entitled  
SCALABLE EDGE NODE;

The United States utility patent application serial No. 09/960,622, entitled  
GLOBAL OR MULTIREGION CONTENT DELIVERY SYSTEM;

The United States utility patent application serial No. 09/960,603, now U.S. Pat.  
No. 6,886,029 entitled END TO END SIMULATION OF A CONTENT DELIVERY  
SYSTEM.

The United States utility patent application serial No. 09/960,649, entitled  
MICRONODE IN A SATELLITE BASED CONTENT DELIVERY SYSTEM;

The United States utility patent application serial No. 09/960,270, entitled  
IMPROVED FILE NAMING SYSTEM WITH TRACKING AND DIAGNOSTIC  
FEATURES IN A CONTENT DELIVERY SYSTEM; and

The United States utility patent application serial No. 09/960,636, entitled  
FORWARD CACHE MANAGEMENT BETWEEN EDGE NODES IN A SATELLITE  
BASED CONTENT DELIVERY SYSTEM.

***Allowable Subject Matter***

Claims 1-4, 7, and 9 are allowed.

The present invention relates to a method and system for delivering multimedia data to Internet users at high bandwidths using a satellite communication links.

The interconnections and interactions between the different components recites in the claim 1 "an outbound router, connected with the load balancer to form a public VLAN and further connected to the media servers, to transmits the content from the media servers to the computer and to communicate with the NOC and a firewall connecting the private and public VLANS", and using a private Virtual Local Area Network VLAN to receive content directed to the edge node by an Internet Redirection Engine at the NOC in response to an end user's request from over a satellite broadcast link," using a public VLAN to transmit the received content from the media servers to a computer with an attached display screen and to communicate with the NOC and displaying the transmitted content using the computer with an attached display screen" in claim 7. The Rowe et al. (U.S. App. Pub. 2001/0003846) and Lahr et al (U.S. App. Pub. 2001/0029525) therefore do not teach or suggest the invention of the claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Meucci at (571) 272-3892. The examiner can normally be reached on Monday-Friday from 9:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell, can be reached at (571) 272-3868. The fax phone number for this Group is 571-273-8300.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [michael.meucci@uspto.gov].


All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you



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have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Andrew Caldwell". The signature is fluid and cursive, with the first name "Andrew" and last name "Caldwell" clearly distinguishable.

ANDREW CALDWELL  
PATENT EXAMINER